

ABSTRACT OF THE DISCLOSURE

The principles of the present invention relate to iteratively solving constraints in a font-hinting language. A computing system accesses a more complex constraint that can not be natively expressed based on the vocabulary of the font-hinting language, the more complex constraint constraining at least a portion of the outline. The computing system decomposes the more complex constraint into a plurality of simpler constraints that can be natively expressed based on the vocabulary of the font-hinting language. The computer system represents each of the simpler constraints in corresponding font-hinting language instructions that can be iteratively processed to at least approximate a solution to the more complex constraint. The font-hinting language instructions are iteratively processed at the computing system or another computing system to cause a graphical object to comply, within a specific tolerance, with the more complex constraint.

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